

Material Concerning the Problem of Variation in the
Enteric Bacillus, by P. N. Kashkin, A. M. Bezborodov,
K. M. Ziatina, N. G. Proskuriakova, A. L. Slurko.

RUSSIAN, per, Trudy Ak Nauk Latvinskoi SSR. Inst.
Mikrobiologii, No 5, 1956, pp 27-45. CIA 9035535

USDA

Sci - Medicine
Feb 59

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Variation in Culture of *Alcaligenes Vescalis*
Under the Influence of Antibiotics, by E. F.
Kashkin.

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Mikrobiologii, No 5, 1956, pp 47-55. CIA 9035526

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Sci - Biology
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Minerals Soluble With Difficulty and Organic
Substances as a Source of Nutrition for Mycorrhizal
Fungi, by A. K. Eglite.

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*PL 480
Foreign Sv.

Sci - *Bisk*
Apr 61

Fock Self-Consistent Field for the Positive
Ion of Carbon, by V. V. Vanagas and I. I.
Glembotskiy, et al,
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SSR, Ser B. Vol III, 1955, pp 3-7. 100007066
AFCRL T-R-506

Sci-
Sept 66

310,578

The Three-Configuration Approximation for Beryllium-
Type Atoms, by I. V. Bazarunas, V. I. Kavetskiy,
A. P. Yutsis, 9 pp.

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Vol III, 1955, pp 9-16.

Amer Nuclear Soc
AF Cambridge Res Center

AEC AD-251868

Sci - Geophysics
Jan 61

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Theoretical Determination of the Fine Structure of
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AFCRL-FR-495

Amer Meteorol Soc
AF Cambridge Res Center
T-R-317
AEC AD-251 869

Sci - ~~Geophysics~~ Physics
Mar 61

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Fok's Self-Consistent Field for the Positive Nitrogen
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Sci-Chem
Sep 64

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The Effect of Hibernation Upon the Antibiotic
Action of Certain Molds of the General Cladosporium,
Alternaria, Fusarium, Mucor, Thamnidium and
Aspergillus, by A. Z. Ioffe, 15 pp.
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Sci - Med
Jul 1964

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The Effect of the Surrounding Environment of
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the Genus *Penicillium*, by A. Z. Ioffe, 18 pp.
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19656, pp 101-113.
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Sci - Med
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T00007066
AFCL T-R-491

Sci-
Sept 66

~~XXXXXXXX~~ 310,562

Hartree Self-Consistent Field in the Two-Con-
figuration Approximation for the Two Lowest
Configurations of the Carbon Atom,
RUSSIAN, per, Trudy Akademiya Nauk Litovskoi
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100007066
AFCL t-R-494

Sci-
Sept 66

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Fock Self-Consistent Field in the Two-Configuration Approximation for Nitrogen in Various Degrees of Ionization, by Ia. I. Vizbaraitė and I. V. Batarunas, et al, RUSSIAN, per, Trudy Akademii Nauk Litovskoi SSR, Ser B. Vol VI, No 8, 1956, pp 3-10.
T00007066
AFCL T-R-496

Sci-
Sept 66

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Fock Self-Consistent Field for Doubly Ionized
Nitrogen, by I. I. Glembofskiy and T. D. Strot-
skite, et al,
RUSSIAN, per, Trudy Akademiyi Nauk Litovskio
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AFCRL T-R-492

Sci-
Spt 66

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On the Problem of Lustrous Copper Electroplating
From Sulfuric Acid Solutions, by Yu. Yu. Matulis.
L. Yu. Valentel'ik, 27 pp.

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Seriya B, 1957, No 3(11) pp 17-28.

SLA 59-10465

Sci
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Simplifying the Fock Equations, by I. I. Glem-
bot'skiy and V. K. Shugurov, et al,
RUSSIAN, per, Trudy Akademiya Nauk Litovskoi
SSR, Ser B. Vol II, No 10, 1957, pp 3-10.
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AFCL T-R-497

Sci-
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100007066
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A Refined Method of Calculation for an Excited
Positive Ion of Carbon, by I.I. Glenbotzkiy
and E. V. Mauza, et al,
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AFCRL T-R-499

Sci-
Sept 66

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The Self-Consistent Fock Field in 'Three-Configuration
Approximation for the Negative Lithium Ion, by T. D.
Strotskite, A. P. Yutsis, 9 pp.

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Amer Meteor Soc
AF Res Div, L. G. Hanscom
FIELD, Bedford, Mass
AEC AD-251872

Sci - Physics
Mar 61

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The Multi-Configuration Approximation and Its
Further Development, by A. P. ~~Yutsis~~ Yutsis, 15 pp.

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Amer Meteorol Soc
AF Cambridge Res Center
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Sci - Physics
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NLL 7773.75 1964
(T-R-465+) on loan

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AF Cambridge Res Center
T-R-325

Sci - Physics
Mar 61

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Reduction of Direct Representation of the Proper
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Tutsis, 14 pp.

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IV, No 16, 1958, pp 3-16. CIA 9658741

Amer Meteor Soc
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Sci - Physics
Mar 61

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61-20068

Brazdziunas, P. P., Sirvaitis, A. I., and
Aleksejunas, B. K.
PHOTOCONDUCTIVITY OF CADMIUM SELENIDE
AND TELLURIDE POLYCRYSTALS. [1961] 17p.

20 refs.

Order from OTS or SLA \$1.60

61-20068

Trans. of [Akademiya Nauk Litovskoi SSR, Vilna.
Trudy]. Seriya B, 1958, no. 4(16) p. 17-29.

DESCRIPTORS: *Photoconductivity, *Cadmium com-
pounds, *Selenides, Sensitivity, X-rays, Determi-
nation, *Tellurides, *Crystals, Photoelectric effect,
Photoelectric materials.

Optimum conditions of the sensitivity within the visi-
ble and X-ray spectral regions of photoresistors
made from CdSe and CdTe were determined. When the
temperature for heating in air atmosphere is increased
(Physics--Solid State, TT, v. 7, no. 7) (over)

I. Brazdziunas, P. P.
II. Sirvaitis, A. I.
III. Aleksejunas, B. K.

Office of Technical Services

PERIODIC OSCILLATIONS OF THE CATHODE POTENTIAL OF
ZINC IN ZINCATE ELECTROLYTES, BY O. K. GAL'DIKENE,
YU. YU. MATULIS.

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NLL RTS 2108

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OCT 62

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Character of Periodic Fluctuations in the
Electrolytic Reduction of Chromic Acid, by
M. A. Mitakus, Y. Y. Matulis.

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Vol IV, No 16, pp 71-80, 1958.

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Sci - Chem

Dec 62

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Chemical Polishing of Aluminum, by L. Y.
Valentelis, Y. Y. Matulis.

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RSS 2113

Sci - Chem

Dec 62

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Theoretical Determination of the Magnetic
Susceptibility of Light Atoms, by
E. V. Mauza, Ya. I. Vizbaraitis, 16 pp.
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SSR, Ser B, 2(18), 1959, pp 41-51. P100027267
APCRL 15376044

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Mar 67

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Fock Self-Consistent Field in the Multiconfig-
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of Potassium, by T. D. Strotskite and A. P.
Iutsis,

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SSR, Ser B. Vol III, No 19, 1959, pp 3-10.

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AFCRL T-R-500

Sci-
Sept 66

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Influence of Low Temperature on the Activities of
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G. A. Tsakhayev.

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NLL RTS 2035

Sci - Biol

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Approximate One-Electron Wave Functions for Excited
Levels of the Positive Oxygen Ion, by I. I. Glembotskiy,
L. L. Kuzmitskii, 12 pp.

RUSSIAN, per, Trudy Ak Nauk Litovskoi SSR, Seriya B,
Vol I, No 21, 1960, pp 87-98.

OTS 63-11135

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ADP-1-E-501

Sci - Phys

Mar 64

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Atomic Transition Probabilities, by I. I. Glembofskiy,
L. L. Kuzitskaya.

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No 1, 1960, pp 87-98.

*PL-480

Sci
Jul 63

Yutis, A. P., Levinson, I. B., and Vanagas, V. V.
 MATHEMATICAL APPARATUS OF THE THEORY
 OF ANGULAR MOMENTUM (Matematicheskii
 Apparat Teorii Momenta Kolichestva Dvizheniya) tr.
 by A. Sen and R. N. Sen. 1962, 158p. 73 refs.
 PL-480 NASA: NASA TT F-98.
 Order from: OLS 61.75

62-11029

Translation of AKA Ukrainian Nauk Litovskii SSR, Vilna
 Institut Fiziki Matematiki, Publikatsiya, 1960,
 no. 3

DESCRIPTORS: "Quantum mechanics. Mechanics,
 Operators (Mathematics). Tensor analysis. Matrix
 algebra. Transformations (Mathematics). Theory.

Contents:

Addition of two angular momenta
 Addition of an arbitrary number of angular momenta
 Graphical methods for operations with sums of
 (Physics--Theoretical, TT, v. 8, no. 11) (over)

62-11029

- I. Title: Angular momentum
1. Yutis, A. P.
- II. Levinson, I. B.
- III. Vanagas, V. V.
- IV. PL-480 NASA (62-11029)
- V. NASA-TT-F-98
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 Washington, D. C.

Office of Technical Services

Improvement in the Theoretical Determination
of the Fine Structure of Terms of Atomic
Species of Boron, carbon and Nitrogen Type,
by A. P. Iutsis, R. S. Dagis.
RUSSIAN, per, Trudy AN Litovsk SSR, Ser B,
Vol 1, No 21, 1960, pp 59-70.
NLL Ref: 9021.7 (27)

Sci-Chem
Oct 69

395,162

On the Calculation of Line Strengths and the
Selection Rules in the Case of Different Vector
Couplings, by Ya. I. Vizbarayta, Z. B. Rujzikas,
et al.

RUSSIAN, per ^{TRUDY} Ak Nauk Lit SSR, Vysshiye Uchebnyye
Zavedeniya Litovskoy SSR, Litovskiy Fizicheskiy
Sbornik, Vil'nyus, 1961, Vol 1, No 1/2, pp 21-32.
*FTD-MT-64-353

Sci - Phys
Sept 64

Improvement in the Theoretical Determination
of the Fine Structure of Terms of Atomic
Species of Boron, Carbon, and Nitrogen Type,
by A. P. Iutsis, R. S. Dagis.
RUSSIAN, per, Trudy, Akademiia Nauk Litovskoi,
SSR, Vol 1, No 21, 1960, pp 59-70.
Tr No 27, Oct 1968
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Sci-Phys
Feb 69

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The Use of Fock Equations Independent of Type
Coupling, by A. P. Iutsis and Ia. I. Vizbaraitė,
RUSSIAN, per, Trudy Akademii Nauk Litovskoi
SSR, Ser B. Vol I, No 24, 1961, pp 65-73.
APCRL T-R-477

Sci-
Sept 66

310,548

The Catalytic Decomposition of Chlorites.
II. Decomposition of Sodium Chlorate in
the Presence of Nickel and Cobalt Hydrox-
ides, by A. Prokopenzhik.
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B, Vol 1, No 24, 1961, pp 133-143.
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Sci-Chem
Mar 69

Treatment of Two-Electron Transitions With Application
to CaI, by I. V. Chiplis, K. K. Ushpalis, 6 pp.
RUSSIAN, per, Trudy Ak Nauk Litovskoi SSR, Seriya B,
Vol II, No 25, 1961, pp 23-30.
OTS 63-11135
PL-480

Sci - Phys
Mar 64

253,043

Treatment of Two-Electron Transitions in Th, by
L. V. Chiplis, K. K. Ushpalis, 7 pp.
RUSSIAN, per, Trudy Ak Nauk Litovskoi SSR, Seriya B,
Vol II, No 25, 1961, pp 31-39.
OTS 63-III35
PL-480

Sci - Elec
Mar 64

253,044

Two-Configuration Approximation for the Calcium
Atom, by T. D. Strotakite, A. P. Yutsis, 5 pp.
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Vol II, No 25, 1961, pp 93-98.

OTS 63-11135

PL-480

APRIL - T-P-502

Sci - Phys

Mar 64

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(SF-1678)

NEWS OF LITHUANIAN SCIENCE, BY S. MAL'DZHYUNATE,
17 PP.

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JPRS 14241

SIC - MISC
JUN 62

201, 515

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(SF-1878)

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JPRS 4946

Sci -- Phys/Engr.

169,027

Sep 61

Level Degeneracy and Selection Rules in Magnetic
Field, by I.B. Levinson.
RUSSIAN, per, Tr AN Litovsk SSR, Vol 2, No 25, 1961,
pp 67-74.
NLL Ref 8036.625 (211)

Sci-Agri
July 69m

385-409

The Mathematical Problem of the Multiconfiguration Approximation, by A. P. Iutsis and Ia. I. Vizbaraite,
RUSSIAN, per, Trudy Akademiiya Nauk Litovskoi
SSR, Ser B. Vol III, No 26, 1961, pp 311-318.
T00007066
AFCL T-R-503

Sci-
Sept 66

310,570

The Forms of the Equations of the Self-Consistent
Field, by A. P. Iutsis and Ia. I. Vizbaraite,
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Ser B. Vol III, No 26, 1961, pp 11-17. 100007066
AFCRL T-R-470

Sci-
Sept 66

309,103

Formulating a Generalized Hartree Method, by
Ia. I. Vizbaraite and T. D. Strotskite, et al,
RUSSIAN, per, Trudy Akademiya Nauk Litovskoi
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AFCRL T-R-505

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Computation of Line Strengths by the "Extended Method",
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Vol III, No 26, 1961, pp 99-105.
OTS 63-11135
PL-480

Sci - Phys
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AMERICAN Meteor Soc
T-R-412
ULL 7773.75 1964 (412)

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Energy Levels and Isotope Shifts of
Terms for Excited States of Atomic
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A. I. Kantseriavichius, 23 ppw
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PI00047567
AFCRL T-R-602

Sci - Nucl Sci
Mar 67

320,536

Improved Expressions for the Matrix Elements of
Operators of Spin-Dependent Interactions,
by A. P. Iutsis, R. S. Dagis, et al, 17 pp.
RUSSIAN, per, Trudy Ak Nauk Litovskoy SSR,
Ser B, Vol III, No 26, 1961, pp 53-66. 9222935
Amer Meteorol Soc

T-R-399

NWL 7773.75 1964 (T-R-399+) on loan

Sci -Math
Jul 64

263,867

Application of the Generalized Method of Calculation
of the Determination of Lines Strength, by
A. P. Yutsis, Ya. I. Vazbaraitė, *bep*.

RUSSIAN, per, Trudy Akad Nauk Litovskoi SSR Seriya B,
Vol III, No 26, 1961, pp 99-104.

*OTS 63-11135
PL-480

Sci -
Sept 63

Investigation of Heat Transfer and Head
Loss in a Staggered-tube Bank at Re numbers Up
to 1.2. 10 , by A. Slanciauskas and A. Zirkauskas.
RUSSIAN, per, Trudy Akad Nauk Litovskoi SSSR.
Series B, 1961, Vol 4, No 27, pp 197-200.
NLL RTS 2363 (On Loan or Pruchase)

CFSTL TT 64-23608

Aug 65

288,042

Aerodynamic Resistance of Smooth-Pipe
Staggered Bundles in a Cross Flow of Air
at High Re Numbers, by

Yu. K. Stasyulyavichyus, P. S. Samoshka,
8 pp.

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No 4, 1963, pp 83-88. 9698673

FTD-TT-64-1152

SciAeroSpace
Nov 65

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Innervation of the Digestive Tract of Helix
Pomatina L., by D. P. Gibavichene.
RUSSIAN, per, Trudy Akad Nauk Litovskoi SSR,
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NLL rts 3279

Sci-B&M
Sept 66

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Dependence of Certain Properties of Polystyrene,
Polymethyl Methacrylate and their Copolymer on
the Molecular Weight, by I. I. Karyachyumas,
R. I. Zhenis, 18 pp.
RUSSIAN, per, Trudy Akad. Nauk Litovskoy SSR,
Ser. B, 1(32), 1963, pp 83-92.
AEC/SCL-Tr-253-69
A

Sci/Chem
Dec 69

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Actinometry, Atmospheric Optics and Nuclear
Meteorology, Selected Articles, by N. N. Gorokhovskaya,
et al, 120 pp.

RUSSIAN, paper, Trudy Ak Nauk Litovskoy SSR,
Inst Geologii i Geogra Nauchnyye Soobshch, Vol XIII,
Vilnius, 1962. 9222902-V
NASA TT F"-150

Sci - E. S. Astron
Jul 64

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Luyanas, V. I.
ON THE PROBLEM OF TRITIUM ORIGIN IN THE
ATMOSPHERE. [31 Jul 63] 8p 13refs
Order from OTS or SLA \$1.10 63-20129

Trans. from [Akademiya Nauk Litovskoi SSR, Vilna,
Trudy.] Seriya] B, 1963, no. 1(32).

DESCRIPTORS: *Atmosphere, *Tritium cosmic rays,
Fast neutrons, Protons, *Hydrogen, Radioactivation
analysis, Labeled substances.

The calculation of formation of the radioactive isotope
of hydrogen tritium in the atmosphere under the action
of cosmic rays is given. With the energy spectrum of
"evaporation" neutrons:

$N(E)dE = kEe^{-E}dE$ and the
spectrum of "fast" neutrons: $N(E)dE = zE^{-2} - 160E^{-2}dE$
the maximum possibility of tritium production by the
(Earth Sciences--Atmosphere, TT, v. 10, no. 11)
(over)

63-20129

I. Luyanas, V. I.

Office of Technical Services

Optimal Control Problem for a Complex of De-
vices, by Yu. A. Rozanov,
RUSSIAN, per, Trudy Ak Nauk Matematicheskoy
Institut, No 71, 1964, pp 88-101.
*FTD-HT-67-41

Sci-
Jan 67

A New Mineral of the Brittle Mica Group, by
A. I. Ginzburg, 10 pp.

RUSSIAN, per, Trudy Mineralog, Muzeya Akad
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SLA R 1601

Sci

Jul 58

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An Attempt at Study of Inclusions in Minerals
of Murzinka (Ural) Pegmatites, by V. V.
Yakubova, 54 pp.

RUSSIAN, per, Trudy Mineral Muscia Ak Nauk SSSR,
Vol VII, 1955, ~~pp 132-150.~~

SLA R-1222

May 58

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Beus, A. A.
CONCERNING BERYLLIUM IDOCRASE (O Beril-
liyevom Vezuvyane) tr. by W. John Cielewicz. 1960
[8]p. 7 refs.
Order from OTS or SLA \$1.10

61-19235

Trans. of Akademiyi Nauk SSSR. Mineralogi-
ch[eskiy] Muzey. Trudy, 1957, v. 8, p. 25-28.

DESCRIPTORS: *Minerals, *Beryllium compounds,
Beryllium, Chemical analysis, Geological survey,
*Idocrase.

A mathematical analysis of data on beryllium-bearing
idocrase samples gave the formula
 $\text{Ca}_9(\text{Al, Fe, Mg})_6[(\text{Si, Be})_9(\text{O, F, OH})_{34}]$.

(Earth Sciences--Mineralogy, TT, v. 6, no. 3)

61-19235

I. Beus, A. A.
II. Geological Survey,
Denver, Colo.

178281

Office of Technical Services

Concerning Variations of Mineral Composition
in Contact Zone of Spodumene Pegmatites With
Basic Rocks on Kola Peninsula, by I. V.
Ginzburg.

RUSSIAN, per, Trudy Ak Nauk SSSR, Mineralog,
Muzeia, Vypusk, No 8, 1957, pp 61-76.

Dept of Interior

QB3 E57 No 63

OTS 62-15740

190,802

Sci - Geophys

Apr 62

Bityite - Lithium-Beryllium Margarite, by
A. I. Ginzburg, 7 pp.

RUSSIAN, per, Trudy Ak Nauk SSSR, Mineralogich,
Muz. Muscia, Vol VIII, 1957, pp 128-131.

Dept of Interior
QE3 E57 No 48

Sci - Chem

168, 387

Sep 61

61-19239

Labuntsov, A. N.
CONCERNING THE CRYSTALLOGRAPHY OF
EPIDIDYMITE (K Kristallografi i Epididimita) tr. by
W. John Cieslewicz. 1960. 5p. (5 figs. omitted) 3 refs.
Order from OTS or SLA \$1.10 61-19239

Trans. of Akademii Nauk SSSR, Mineralogich-
[eskiy] Muzei, Trudy 1957, v. 8. p. 164-167.

DESCRIPTORS: *Crystallization, *Epididymite, Min-
erals, Crystal structure, Crystals.

(Physics--Solid State, TT, v. 6, no. 2)

I. Labuntsov, A. N.
II. Geological Survey, Denver,
Colo.

109830

Office of Technical Services

Timchenko, T. I.
PROCESSES OF ALTERATION OF BERYL IN PEG-
MATITES OF EASTERN TRANS-BAIKAL (Protsessy
Izmeneniia Berilla v Pegmatitakh Vostochnogo Zabay-
kal'ya) tr. by Ivan Mittin. 1960 [20]p. 7 refs. 61-19238
Order from OTS or SLA \$1.60

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